

Pig Toll Like Receptor 4 (TLR4) ELISA Kit | TLR4 elisa kit

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CATALOG #
AAA188126

REACTIVITY
Pig

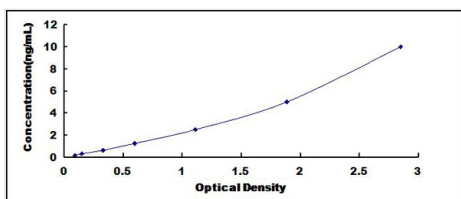
PRODUCT SYNONYMS

Toll Like Receptor 4 (TLR4); Pig Toll Like Receptor 4 (TLR4) ELISA Kit; CD284; TOLL; HToll; TLR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of Toll Like Receptor 4 (TLR4). No significant cross-reactivity or interference between Toll Like Receptor 4 (TLR4) and analogues was observed.
Sequence Length	839
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.055ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Toll Like Receptor 4 (TLR4) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Toll Like Receptor 4 (TLR4) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TLR4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Toll Like Receptor 4 (TLR4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Toll Like Receptor 4 (TLR4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Toll Like Receptor 4 (TLR4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Toll Like Receptor 4 (TLR4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19924149
NCBI GeneID	7099
NCBI GenBank Nucleotide #	NP_612564.1
UniProt Accession #	O00206
NCBI Official Full Name	toll-like receptor 4 isoform A
NCBI Official Synonym Full Names	toll like receptor 4
NCBI Official Symbol	TLR4
NCBI Official Synonym Symbols	TOLL; CD284; TLR-4; ARMD10
NCBI Protein Information	toll-like receptor 4
UniProt Protein Name	Toll-like receptor 4
UniProt Gene Name	TLR4
UniProt Entry Name	TLR4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pig-elisa-kits/toll-like-receptor-4-tlr4/188126>